```
============================================================
Sequence Listing was accepted.
If you need help call the Patent Electronic Business Center at (866)
217-9197 (toll free).
Reviewer: markspencer
Timestamp: [year=2007; month=12; day=14; hr=12; min=52; sec=42; ms=283;
]
============================================================
```

Application No: 10573576   Version No: 4.0

Input Set:

Output Set:

Started: 2007-11-27 18:59:18.132
Finished: 2007-11-27 18:59:20.339
Elapsed: 0 hr(s) 0 min(s) 2 sec(s) 207 ms
Total Warnings: 30
Total Errors: 0
No. of SeqIDs Defined: 30
Actual SeqID Count: 30

Error code	Error Description
W 402	Undefined organism found in <213> in SEQ ID (1)
W 402	Undefined organism found in <213> in SEQ ID (2)
W 402	Undefined organism found in <213> in SEQ ID (3)
W 402	Undefined organism found in <213> in SEQ ID (4)
W 402	Undefined organism found in <213> in SEQ ID (5)
W 402	Undefined organism found in <213> in SEQ ID (6)
W 402	Undefined organism found in <213> in SEQ ID (7)
W 402	Undefined organism found in <213> in SEQ ID (8)
W 402	Undefined organism found in <213> in SEQ ID (9)
W 402	Undefined organism found in <213> in SEQ ID (10)
W 402	Undefined organism found in <213> in SEQ ID (11)
W 402	Undefined organism found in <213> in SEQ ID (12)
W 402	Undefined organism found in <213> in SEQ ID (13)
W 402	Undefined organism found in <213> in SEQ ID (14)
W 402	Undefined organism found in <213> in SEQ ID (15)
W 402	Undefined organism found in <213> in SEQ ID (16)
W 402	Undefined organism found in <213> in SEQ ID (17)
W 402	Undefined organism found in <213> in SEQ ID (18)
W 402	Undefined organism found in <213> in SEQ ID (19)
W 402	Undefined organism found in <213> in SEQ ID (20)

```
          Input Set:


          Output Set:



            Started:   2007-11-27 18:59:18.132
           Finished:   2007-11-27 18:59:20.339
            Elapsed:   0 hr(s) 0 min(s) 2 sec(s) 207 ms
     Total Warnings:   30
       Total Errors:   0
 No. of SeqIDs Defined:   30
  Actual SeqID Count:   30
```

Error code   Error Description

```
          This error has occured more than 20 times, will not be displayed
```

<210> 1
<211> 26
<212> PRT
<213> Human HIV

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa=G

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa=C, A, D, Q or N

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa=C, A, D, Q or N

<220>
<221> MISC_FEATURE
<222> (9)..(9)
<223> Xaa=C, A, D, Q or N

<220>
<221> MISC_FEATURE
<222> (10)..(10)
<223> Xaa=C, A, D, Q or N

<220>
<221> MISC_FEATURE
<222> (17)..(17)

<223> Xaa= R or K

<220>

<221> MISC_FEATURE

<222> (21)..(21)

<223> Xaa= R or K

<220>

<221> MISC_FEATURE

<222> (24)..(24)

<223> Xaa= R or K

<220>

<221> MISC_FEATURE

<222> (26)..(26)

<223> Xaa=G, A, V, L or I

<400> 1

Xaa Xaa Arg Gly Asp Xaa Phe Gly Xaa Xaa Leu Leu Phe Ile His Phe
 1   5   10   15

Xaa Ile Gly Ser Xaa His Ser Xaa Ile Xaa
               20   25

<210> 2

<211> 28

<212> PRT

<213> Human HIV

<400> 2

Gly Gly Cys Arg Gly Asp Met Phe Gly Cys Gly Gly Leu Leu Phe Ile
 1   5   10   15

His Phe Arg Ile Gly Ser Arg His Ser Arg Ile Gly
               20   25

<210> 3

<211> 28

<212> PRT

<213> Human HIV

<400> 3

Gly Gly Cys Arg Gly Asp Met Phe Gly Cys Gly Gly Leu Leu Arg Ile
 1   5   10   15

His Phe Arg Ile Gly Ser Arg His Ser Arg Ile Gly
               20   25

<210> 4

<211> 27

<212> PRT

<213> Human HIV

<400> 4

Gly Gly Cys Arg Gly Asp Met Phe Gly Cys Gly Gly Leu Phe Ile His
1   5   10   15

Phe Arg Ile Gly Ser Arg His Ser Arg Ile Gly
                20   25

<210> 5
<211> 28
<212> PRT
<213> Human HIV

<400> 5

Gly Gly Cys Arg Gly Asp Met Phe Gly Cys Gly Gly Ser Leu Phe Ile
1   5   10   15

His Phe Arg Ile Gly Ser Arg His Ser Arg Ile Gly
                20   25

<210> 6
<211> 28
<212> PRT
<213> Human HIV

<400> 6

Gly Gly Cys Arg Gly Asp Met Phe Gly Cys Gly Gly Leu Leu Phe Ile
1   5   10   15

His Phe Lys Ile Gly Ser Arg His Ser Arg Ile Gly
                20   25

<210> 7
<211> 29
<212> PRT
<213> Human HIV

<400> 7

Gly Gly Cys Arg Gly Asp Met Phe Gly Cys Gly Gly Leu Leu Phe Ile
1   5   10   15

His Phe Asn Arg Ile Gly Ser Arg His Ser Arg Ile Gly
                20   25

<210> 8
<211> 28
<212> PRT
<213> Human HIV

<400> 8

Gly Gly Cys Arg Gly Asp Met Phe Gly Cys Gly Gly Leu Leu Ser Arg
1   5   10   15

His Phe Arg Ile Gly Ser Arg His Ser Arg Ile Gly
                20   25

<210> 9

```
<211> 28
<212> PRT
<213> Human HIV


<400> 9
Gly Gly Cys Arg Gly Asp Met Phe Gly Cys Gly Gly Leu Leu Ser Ile
 1               5                  10                  15

His Phe Arg Ile Gly Ser Arg His Ser Arg Ile Gly
             20                  25

<210> 10
<211> 28
<212> PRT
<213> Human HIV


<400> 10
Gly Gly Cys Arg Gly Asp Met Phe Gly Cys Gly Gly Leu Leu Phe Arg
 1               5                  10                  15

His Phe Arg Ile Gly Ser Arg His Ser Arg Ile Gly
             20                  25

<210> 11
<211> 6
<212> PRT
<213> Human HIV

<400> 11
Arg Gly Asp Met Phe Gly
 1               5

<210> 12
<211> 28
<212> PRT
<213> Human HIV

<220>
<221> MISC_FEATURE
<222> (3)..(3)
<223> Xaa=any amino acid

<220>
<221> MISC_FEATURE
<222> (10)..(10)
<223> Xaa=any amino acid

<400> 12
Gly Gly Xaa Arg Gly Asp Met Phe Gly Xaa Gly Gly Leu Leu Phe Ile
 1               5                  10                  15

His Phe Arg Ile Gly Cys Arg His Ser Arg Ile Gly
             20                  25
```

<210> 13
<211> 28
<212> PRT
<213> Human HIV

<220>
<221> MISC_FEATURE
<222> (3)..(3)
<223> Xaa=any amino acid

<220>
<221> MISC_FEATURE
<222> (10)..(10)
<223> Xaa=any amino acid

<400> 13
Gly Gly Xaa Arg Gly Asp Met Phe Gly Xaa Gly Gly Leu Leu Phe Ile
 1   5   10   15

Phe Phe Arg Ile Gly Cys Arg Phe Ser Arg Ile Gly
            20   25

<210> 14
<211> 28
<212> PRT
<213> Human HIV

<220>
<221> MISC_FEATURE
<222> (3)..(3)
<223> Xaa=any amino acid

<220>
<221> MISC_FEATURE
<222> (10)..(10)
<223> Xaa=any amino acid

<400> 14
Gly Gly Xaa Arg Gly Asp Met Phe Gly Xaa Gly Gly Leu Leu Phe Ile
 1   5   10   15

His Phe Arg Ile Gly Ser Arg His Ser Arg Ile Gly
            20   25

<210> 15
<211> 28
<212> PRT
<213> Human HIV

<220>
<221> MISC_FEATURE
<222> (3)..(3)
<223> Xaa=any amino acid

<220>
<221> MISC_FEATURE
<222> (10)..(10)

<223> Xaa=any amino acid

<400> 15
Gly Gly Xaa Arg Gly Asp Met Phe Gly Xaa Gly Gly Leu Leu Arg Ile
1   5   10   15

His Phe Arg Ile Gly Ser Arg His Ser Arg Ile Gly
                20   25

<210> 16
<211> 27
<212> PRT
<213> Human HIV

<220>
<221> MISC_FEATURE
<222> (3)..(3)
<223> Xaa=any amino acid

<220>
<221> MISC_FEATURE
<222> (10)..(10)
<223> Xaa=any amino acid

<400> 16
Gly Gly Xaa Arg Gly Asp Met Phe Gly Xaa Gly Gly Leu Phe Ile His
1   5   10   15

Phe Arg Ile Gly Ser Arg His Ser Arg Ile Gly
                20   25

<210> 17
<211> 28
<212> PRT
<213> Human HIV

<220>
<221> MISC_FEATURE
<222> (3)..(3)
<223> Xaa=any amino acid

<220>
<221> MISC_FEATURE
<222> (10)..(10)
<223> Xaa=any amino acid

<400> 17
Gly Gly Xaa Arg Gly Asp Met Phe Gly Xaa Gly Gly Ser Leu Phe Ile
1   5   10   15

His Phe Arg Ile Gly Ser Arg His Ser Arg Ile Gly
                20   25

<210> 18
<211> 28
<212> PRT
<213> Human HIV

<220>
<221> MISC_FEATURE
<222> (3)..(3)
<223> Xaa=any amino acid

<220>
<221> MISC_FEATURE
<222> (10)..(10)
<223> Xaa=any amino acid

<400> 18
Gly Gly Xaa Arg Gly Asp Met Phe Gly Xaa Gly Gly Leu Leu Phe Ile
 1   5   10   15

His Phe Lys Ile Gly Ser Arg His Ser Arg Ile Gly
            20   25

<210> 19
<211> 28
<212> PRT
<213> Human HIV

<220>
<221> MISC_FEATURE
<222> (3)..(3)
<223> Xaa=any amino acid

<220>
<221> MISC_FEATURE
<222> (10)..(10)
<223> Xaa=any amino acid

<400> 19
Gly Gly Xaa Arg Gly Asp Met Phe Gly Xaa Gly Gly Leu Leu Phe Ile
 1   5   10   15

His Phe Arg Ile Gly Ser Arg His Ser Arg Ile Gly
            20   25

<210> 20
<211> 28
<212> PRT
<213> Human HIV

<220>
<221> MISC_FEATURE
<222> (3)..(3)
<223> Xaa=any amino acid

<220>
<221> MISC_FEATURE
<222> (10)..(10)
<223> Xaa=any amino acid

<400> 20
Gly Gly Xaa Arg Gly Asp Met Phe Gly Xaa Gly Gly Leu Leu Ser Arg
  1   5   10   15

His Phe Arg Ile Gly Ser Arg His Ser Arg Ile Gly
              20   25

<210> 21
<211> 28
<212> PRT
<213> Human HIV

<220>
<221> MISC_FEATURE
<222> (3)..(3)
<223> Xaa=any amino acid

<220>
<221> MISC_FEATURE
<222> (10)..(10)
<223> Xaa=any amino acid

<400> 21
Gly Gly Xaa Arg Gly Asp Met Phe Gly Xaa Gly Gly Leu Leu Ser Ile
  1   5   10   15

His Phe Arg Ile Gly Ser Arg His Ser Arg Ile Gly
              20   25

<210> 22
<211> 28
<212> PRT
<213> Human HIV

<220>
<221> MISC_FEATURE
<222> (3)..(3)
<223> Xaa=any amino acid

<220>
<221> MISC_FEATURE
<222> (10)..(10)
<223> Xaa=any amino acid

<400> 22
Gly Gly Xaa Arg Gly Asp Met Phe Gly Xaa Gly Gly Leu Leu Phe Arg
  1   5   10   15

His Phe Arg Ile Gly Ser Arg His Ser Arg Ile Gly
              20   25

<210> 23

<211> 28
<212> PRT
<213> Human HIV

<220>
<221> MISC_FEATURE
<222> (3)..(3)
<223> Xaa=any amino acid

<220>
<221> MISC_FEATURE
<222> (10)..(10)
<223> Xaa=any amino acid

<400> 23
Gly Gly Xaa Arg Gly Asp Met Phe Gly Xaa Gly Gly Leu Leu Phe Ile
  1   5   10   15

His Phe Arg Ile Gly Ser Arg His Ser Arg Ile Gly
            20   25

<210> 24
<211> 28
<212> PRT
<213> Human HIV

<400> 24
Gly Gly Cys Arg Ala Asp Met Phe Gly Cys Gly Gly Leu Leu Phe Ile
  1   5   10   15

His Phe Arg Ile Gly Ser Arg His Ser Arg Ile Gly
            20   25

<210> 25
<211> 28
<212> PRT
<213> Human HIV

<400> 25
Gly Gly Cys Arg Gly Asp Met Phe Gly Cys Gly Gly Leu Leu Phe Ile
  1   5   10   15

His Phe Ala Ile Gly Ser Arg His Ser Ala Ile Gly
            20   25

<210> 26
<211> 27
<212> PRT
<213> Human HIV

<400> 26

Arg Lys Lys Arg Arg Gln Arg Arg Arg Gly Gly Leu Leu Phe Ile His
 1   5   10   15

Phe Arg Ile Gly Ser Arg His Ser Arg Ile Gly
              20   25

<210> 27
<211> 16
<212> PRT
<213> Human HIV

<400> 27
Leu Leu Phe Ile His Phe Arg Ile Gly Ser Arg His Ser Arg Ile Gly
 1   5   10   15

<210> 28
<211> 12
<212> PRT
<213> Human HIV

<400> 28
Gly Gly Cys Arg Gly Asp Met Phe Gly Cys Gly Gly
 1   5   10

<210> 29
<211> 12

<212> PRT
<213> Human HIV

<400> 29
Gly Gly Cys Arg Ala Asp Met Phe Gly Cys Gly Gly
 1   5   10

<210> 30
<211> 12
<212> PRT
<213> Human HIV

<400> 30
Gly Gly Cys Arg Gly Asp Met Phe Gly Cys Gly Gly
 1   5   10